Performance Data Sheet

HGA5510BAA

General Information

Model	HGA5510BAA	**Refrigerant**	R-410A
Test Condition	ASHRAE	**Performance Test Voltage**	115V ~ 60HZ
Return Gas	35°C (95°F) RETURN GAS	**Motor Type**	PSC

Performance Information

Evap Temp (°C)		Condensing Temperature (°C)			
		30	40	50	60
-25	Btu/h	5960			
	Watts (Power)				
	Amps	7.70			
	Lb/h	81.5			
-23.3	Btu/h	6120	6510		
	Watts (Power)				
	Amps	7.75	7.30		
	Lb/h	83.7	89.1		
-20	Btu/h	6470	6460		
	Watts (Power)				
	Amps	7.85	7.56		
	Lb/h	88.5	88.4		
-15	Btu/h	7090	6610	6890	
	Watts (Power)	207	293	390	
	Amps	7.97	7.94	9.09	
	Lb/h	97.1	90.5	94.3	
-10	Btu/h	7850	7070	6840	7260
	Watts (Power)	521	621	730	869
	Amps	8.04	8.27	9.63	11.2
	Lb/h	108	96.8	93.7	99.4
-6.7	Btu/h	8450	7550	7080	7120
	Watts (Power)	644	754	872	1020
	Amps	8.04	8.45	9.96	11.6
	Lb/h	116	103	97.0	97.5
-5	Btu/h	8790	7860	7290	7170
	Watts (Power)	685	801	925	1080
	Amps	8.03	8.53	10.1	11.8
	Lb/h	120	108	99.9	98.2
0	Btu/h	9930	9030	8280	7770
	Watts (Power)	738	872	1010	1180
	Amps	7.89	8.68	10.5	12.3
	Lb/h	136	124	113	106

5	Btu/h	11300	10600	9830	9110
	Watts (Power)	720	876	1040	1230
	Amps	7.62	8.69	10.7	12.8
	Lb/h	155	145	135	125
7.2	Btu/h	12000	11400	10700	9940
	Watts (Power)	700	866	1040	1230
	Amps	7.44	8.64	10.8	12.9
	Lb/h	164	156	147	136
10	Btu/h	12900	12600	12000	11200
	Watts (Power)	671	851	1040	1250
	Amps	7.16	8.53	10.8	13.0
	Lb/h	177	172	164	154
15	Btu/h	14900	15000	14800	14100
	Watts (Power)	630	837	1050	1280
	Amps	6.51	8.17	10.7	13.1
	Lb/h	203	206	202	193

COEFFICIENTS	CAPACITY	POWER	CURRENT	MASS FLOW
C1	1.265863E+04	1.706937E+02	2.137788E+01	1.734147E+02
C2	-6.168075E+01	-1.120174E+01	-2.733582E-01	-8.440538E-01
C3	-7.433611E+01	2.713094E+01	-1.039609E+00	-1.018925E+00
C4	-5.348181E+00	-1.577200E+00	-3.321046E-03	-7.335037E-02
C5	1.650139E+01	4.790266E-01	9.375452E-03	2.260299E-01
C6	-9.965950E-01	-3.773444E-01	2.452521E-02	-1.363841E-02
C7	4.015763E-02	5.309486E-02	-4.014102E-05	5.538000E-04
C8	3.328016E-01	5.289560E-03	1.387651E-05	4.559198E-03
C9	-2.041095E-01	-1.120708E-03	-5.312934E-05	-2.795898E-03
C10	1.464547E-02	3.439925E-03	-1.618231E-04	2.005282E-04

Value = C1 + C2 * Te + C4 * Te^2 + C7 * Te^3 + (C3 + C5 * Te + C8 * Te^2) * Tc + (C6 + C9 * Te) * Tc^2 + C10 * Tc^3

Te = Evaporator Temperature

Tc = Condensing Temperature